

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Application Number	10/661,879
Filing Date	9/11/2003
First Named Inventor:	ELDER, Joseph S.
Examiner name: Unknown E. Vuong	GROUP: Unknown 2618
Attorney Docket Number	MIC-05632-5D

Sheet 1 of 3

U.S. PATENT DOCUMENTS

Examiner Initials*	Cited No. ¹	U.S. Patent Document Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Info. Appear
/QV/	A01	4,336,613		Hewes	6/22/1982	
	A02	4,554,678		Bowman	11/19/1985	
	A03	5,012,490		Myer	4/30/1991	
	A04	5,020,147		Okanobu	5/28/1991	
	A05	5,077,835		Margairaz et al.	12/31/1991	
	A06	5,134,406		Orr	7/28/1992	
	A07	5,263,192		Mittel et al.	11/1993	
	A08	5,263,195		Panther et al.	11/1993	
	A09	5,283,532		Burkhart et al.	2/1994	
	A10	5,475,871		Shalev et al.	12/12/1995	
	A11	5,555,453		Kajimoto et al.	9/10/1996	
	A12	5,564,098		Rodal et al.	10/1996	
	A13	5,630,218		Muto	5/13/1997	
	A14	5,640,698		Shen et al.	6/17/1997	
	A15	5,710,997		Okanobu	1/20/1998	
	A16	5,734,976		Bartschi et al.	3/1998	
	A17	5,930,695		Yamaguchi et al.	7/1999	
	A18	5,933,769		Kaneko	8/3/1999	
	A19	5,963,857		Greywall	10/1999	
	A20	6,167,246		Elder et al.	12/26/2000	
	A21	6,278,866	B1	Elder et al.	8/21/2001	
✓	A22	6,324,390	B1	Elder et al.	11/27/2001	
/QV/	A23	6,377,788	B1	Elder et al.	4/23/2002	

EXAMINER

/Quochien Vuong/

DATE CONSIDERED

07/09/2007

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/P

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 2 of 3

Application Number	10/661,879
Filing Date	9/11/2003
First Named Inventor:	ELDER, Joseph S.
Examiner name: Unknown Q. Vuong	GROUP: Unknown 2618
Attorney Docket Number	MIC-05632-5D

FOREIGN PATENT DOCUMENTS

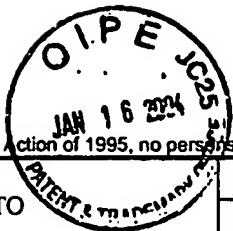
Examiner Initials*	Cited No. ¹	Foreign Patent Document		Kind Code ⁵ (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Info. Appear	T ⁶
		Office ³	Number ⁴					
/QVI/	A24	WO	98/49779			11/5/98		
/QVI/	A25	WO	99/59256			11/11/99		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

/QVI/	PCT Written Opinion for International Application No. PCT/US/99/09995, filed May 6, 1999.							
/QVI/	Abidi, Asad A., "CMOS-only RF and Baseband Circuits for a Monolithic 900 MHz Wireless Transceiver*," Bipolar Circuits & Tech. Mtg., Minneapolis, October 1996, pp. 35-42.							
/QVI/	Abidi, Asad A., "Radio-Frequency Integrated Circuits for Portable Communications," <i>Custom IC Conference</i> , San Diego, CA, May 1994, pp. 151-158.							
/QVI/	Chang, P. J., Rofougaran, A., and Abidi, A. A., "A CMOS Channel-Select Filter for a Direct-Conversion Wireless Receiver," <i>Symp. On VLSI Circuits</i> , Honolulu, pp. 62-63, 1996.							
/QVI/	Chang, J., Abidi, A. A., and Viswanathan, C.R., "Flicker Noise in CMOS Transistors from Subthreshold to Strong Inversion at Various Temperatures," <i>IEEE Trans. On Electron Devices</i> , vol. 41, no. 11, pp. 1965-1971, 1994.							
no date provided	Khorram, S. et al., "A CMOS Limiting Amplifier & Logarithmic Signal-Strength Indicator," Integrated Circuits & Systems Laboratory, Electrical Engineering Department, University of California, Los Angeles (19 pages).							
/QVI/	Rofougaran, A., et al., "A 900 MHz CMOS Frequency-Hopped Spread Spectrum RF Transmitter IC," <i>Custom Integrated Circuits Conf.</i> , San Diego, CA, May 1996, pages 209-212.							
no date provided	Rofougaran, A. et al., "A 900 MHz CMOS Frequency Hopped Spread Spectrum RF Transmitter IC," Integrated Circuits & Systems Laboratory, Electrical Engineering Department, University of California, Los Angeles (20 pages).							
/QVI/	Rofougaran, A., Chang, J. Y.-C., Rofougaran, M., Khorram, S., and Abidi, A. A., "A 1 GHz CMOS RF Front-End IC with Wide Dynamic Range," presented at <i>European Solid-State Circuits Conf.</i> , Lille, France, pp. 250-253, 1995							
no date provided	Rofougaran, A., Chang, J. Y.-C., Rofougaran, M., Khorram, S., and Abidi, A. A., "A 1 GHz CMOS RF Front-End IC with Wide Dynamic Range," (23 pages).							
no date provided	Rofougaran, A., et al., "A 900 MHz CMOS LC Oscillator with Quadrature Outputs," presented at the 1996 Int'l. Solid-State Circuits Conference, 10 pages.							
EXAMINER /Quochien Vuong/					DATE CONSIDERED 07/09/2007			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/661,879
				Filing Date	9/11/2003
				First Named Inventor:	ELDER, Joseph S.
				Examiner name: Unknown Q. Vuong	GROUP: Unknown 2618
Sheet	3	of	3	Attorney Docket Number	MIC-05632-5D
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
/QVI/	Rudell, Jacques C., University of California, Berkeley, "CMOS VLSI Frequency Translation for Multi-Standard Wireless Communication Transceivers," Qualifying Examination, April 8, 1996, pp. 1-24.				
no date provided	Chang, Glenn et al., "An Agile, Low Power CMOS Digitally Synthesized 0.13 MHz Sinewave Generator," Integrated Circuits & Systems Laboratory, Electrical Engineering Department, University of California, Los Angeles, (14 pages).				
EXAMINER /Quochien Vuong/				DATE CONSIDERED 07/09/2007	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.